

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Atty. Docket No. 51320-AB/JPW/AJD/BWSL	Serial No. 09/852,238
Applicant(s) G. P. Allaway et al.	
Filing Date May 9, 2001	Art Unit 1648

U.S. PATENT DOCUMENTS

Examiner Initials	Exh. No.	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
BCC	1	6 1 0 7 0 1 9	08/22/00	Allaway et al.			
BCC	2	6 3 4 4 5 4 5	02/05/02	Allaway et al.			
BCC	3	6 5 4 8 6 3 6	04/15/03	Dragic et al.			
BCC	4	Pending Claims in 09/888,938		Allaway et al.			06/25/01
BCC	5	Allowed Claims in 10/323,314		Dragic et al.			12/19/02
BCC	6	08 6 2 7 6 8 4		Allaway et al.			04/02/96
BCC		60 0 1 4 5 3 2		Allaway et al.			04/02/96
BCC	7	08 6 6 3 6 1 6		Allaway et al.			06/14/96
BCC		60 0 1 9 7 1 5		Allaway et al.			06/14/96
BCC	8	08 6 7 3 6 8 2		Allaway et al.			06/25/96
BCC	9	08 6 6 5 0 9 0		Allaway et al.			06/14/96

FOREIGN PATENT DOCUMENTS

		Document Number							Date	Country	Class	Subclass	Translation	
													Yes	No
BCC	26	9	6	4	1	0	2	0	10/27/97	PCT				
	27	9	7	2	6	0	0	9	07/24/97	PCT				
	28	9	7	3	7	0	0	5	10/27/97	PCT				
	29	9	8	5	6	4	2	1	12/17/98	PCT				
	30	0	0	3	5	4	0	9	06/2/2/00	PCT				
	31	0	1	6	4	7	1	0	09/07/01	PCT				
	32	0	2	2	2	0	7	7	03/21/02	PCT				
	33	02	0	6	8	6	0	8	09/06/02	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER A. J. L.	DATE CONSIDERED 09/05/2001
-----------------------------	--------------------------------------

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1489		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 51320-AB/JPW/AJD/BWSL		Serial No. 09/852,238								
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicant(s) G. P. Allaway et al.										
				Filing Date May 9, 2001		Art Unit 1648								
U.S. PATENT DOCUMENTS														
Examiner Initials	Exh. No.	Document Number							Date	Name	Class	Subclass	Filing Date If Appropriate	
BCC		60	0	1	9	9	4	1		Allaway et al.			06/14/96	
BCC	10	08	8	7	4	5	7	0		Allaway et al.			06/13/97	
BCC	11	08	8	7	4	6	1	8		Allaway et al.			06/13/97	
BCC	12	Pending Claims in 09/724,105								Allaway et al.			11/28/00	
BCC		09	2	1	2	7	9	3		Olson et al.			12/16/98	
BCC		60	1	1	2	5	3	2		Olson et al.			12/16/98	
BCC	13	09	4	6	4	9	0	2		Olson et al.			12/16/99	
BCC	14	09	5	9	4	9	8	3		Olson et al.			06/15/00	
BCC	15	09	6	6	3	2	1	9		Olson et al.			09/15/00	
BCC	16	60	2	6	6	7	3	8		Olson et al.			02/06/01	
BCC	17	2002/0146415							10/10/02	Olson et al.				
BCC	18	60	2	8	2	3	8	0		Olson et al.			04/06/01	
BCC	19	2002/0106374							08/08/02	Olson et al.				
BCC	20	10	0	8	1	1	2	8		Olson et al.			02/22/02	
BCC		60	3	5	8	8	8	6		Olson et al.			02/22/02	
BCC	21	2003/0044411							03/06/03	Olson et al.				
BCC	22	2003/0092632							05/15/03	Dragic et al.				
BCC	23	2003/0228306							12/11/03	Olson et al.				
BCC	24	Pending Claims in 10/763,545								Olson et al.			01/23/04	
BCC	25	Pending Claims in 09/460,216								Allaway et al.			12/13/99	
FOREIGN PATENT DOCUMENTS														
		Document Number							Date	Country	Class	Subclass	Translation Yes No	
BCC	34	02	0	8	3	1	7	2	10/24/02	PCT				
BCC	35	03	0	7	2	7	6	6	09/04/03	PCT				
EXAMINER <i>Paigen L.</i> DATE CONSIDERED <i>09/05/2004</i>														
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.														

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

Serial No.

51320-AB/JPW/SHS 09/852,238

Applicants

Graham P. Allaway et al.

Filing Date

May 9, 2001

Group

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
BCL	US 5 4 4 0 0 2 1	8/5/94	Chuntharapai, et al	—	—	
BCL	US 5 5 0 4 0 0 3	4/2/96	H. Li et al.	—	—	
BCL	US 5 0 2 1 4 0 9	6/4/91	Murrer et al.	—	—	
BCL	US 5 1 2 6 4 3 3	6/30/92	Maddon, et al.	—	—	

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
BCL	WO 9 7 4 7 3 1 9	12/18/97					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BCL	Alkhatib, Ghalb, et al., (1996) "CC CKR5: A RANTES, MIP-1 α , MIP-1 β Receptor as a Fusion Cofactor for Macrophage-Tropic HIV-1" <i>Science</i> 272:1955-1958;
	Arenzana-Selsdedos, Fernando, et al., (1996) "HIV blocked by chemokine antagonist" <i>Nature</i> 383:400;
BCL	Bleul, Conrad, C., et al., (1996) "The lymphocyte chemoattractant SDF-1 is a ligand for LESTR/fusion and blocks HIV-1 entry" <i>Nature</i> 382:829-832;
	Brenner, T.J., et al. (1991) "Relation between HIV-1 syncytium inhibition antibodies and clinical outcome in children" <i>The Lancet</i> 337:1001-1005;
BAC BCL	Choe, Hyeryun, et al., (1996) "The β -Chemokine Receptors CCR3 and CCR5 Facilitate Infection by Primary HIV-1 Isolates" <i>Cell</i> 85:1135-1148;
	Cocchi, Florenza, et al., (1995) "Identification Of RANTES, MIP-1 α , and MIP-1 β as the Major HIV-Suppressive Factors Produced by CD8 ⁺ T Cells" <i>Science</i> 270: 1811-1815;
BCL BCL	De Clercq, et al., (1994) "Highly potent and selective inhibition of human immunodeficiency virus by the bicyclam derivative JM3100" <i>Antimicrobial Agents and Chemotherapy</i> 38(4):668-674;
	De Clercq, E., (1995) "Antiviral therapy for human immunodeficiency virus infections" <i>Clinical Microbiology Reviews</i> 8(2):200-239;
BCL	Doranz, et al., (1996) "A dual-tropic primary HIV-1 isolate that uses fusin and the β -chemokine receptors CKR-5, CKR-3, and CKR-2b as fusin cofactors" <i>Cell</i> 85:1149-1158;

EXAMINER

Baoyuan L.

DATE CONSIDERED

09/05/2004

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

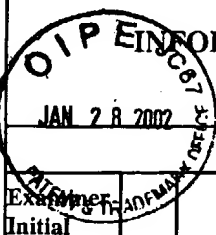
U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

51320-AB/JPW/SHS

Serial No.

09/852,238



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Applicants

Graham P. Allaway et al.

Filing Date

May 9, 2001

Group

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BCC	Dragic, T. et al., (1996) "HIV-1 entry into CD4+ cells is mediated by the chemokine receptor CC-CKR-5" <i>Nature</i> 381:667-673;
BCC	Gong, Jiang-Hong, et al., (1995) "Antagonists Of Monocyte Chemoattractant Protein 1 Identified By Modification Of Functionally Critical NH ₂ -terminal Residues" <i>J. Exp. Med.</i> 181:631-640;
BCC	Gong, Jiang-Hong, et al., (1996) "RANTES and MCP-3 Antagonists Bind Multiple Chemokine Receptors" <i>The Journal of Biological Chemistry</i> 371:10521-10527;
BCC	Hattori, T., et al., (1989) "Involvement of tryptase-related cellular protease(s) in human immunodeficiency virus type 1 infection" <i>FEB</i> 248:48-52;
BCC	Jones, Simon, A., et al., (1997) "Chemokine Antagonists That Discriminate between Interleukin-8 Receptors" <i>The Journal of Biological Chemistry</i> 272:16166-16169;
BCC	Klotman, et al., (1995) "Transgenic models of HIV-1" <i>AIDS</i> 9(4):313-324;
BCC	Litwin, et al., (1996) "Human immunodeficiency virus type 1 membrane fusin mediated by a laboratory-adapted strain and a primary isolate analyzed by resonance energy transfer" <i>Journal of Virology</i> 70(9):6437-6441;
BCC	McKnight, Aine, et al., (1997) "Inhibition of Human Immunodeficiency Virus Fusion by a Monoclonal Antibody to a Coreceptor (CXCR4) Is both Cell Type and Virus Strain Dependent" <i>Journal of Virology</i> 71(2): 1692-1696;
BCC	Moser, Bernhard, et al., (1993) "Interleukin-8 Antagonists Generated by N-terminal Modification" <i>The Journal of Biological Chemistry</i> 268:7125-7128;

EXAMINER

Baegon Li

DATE CONSIDERED

07/05/2001

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

51320-AB/JPW/SHS

Serial No.

09/852,238

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Applicants

Graham P. Allaway et al.

Filing Date

May 9, 2001

Group

JAN 28 2002

U.S. PATENT DOCUMENTS

Examiner	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BCC	Oberlin, Estelle, et al., (1996) "The CXC chemokine SDF-1 is the ligand for LESTR/fusion and prevents infection by T-cell-line-adapted HIV-1" <i>Nature</i> 382:833-835;
BCC	Raport, Carol, J., et al., (1996) "New members of the chemokine receptor gene family" <i>Journal of Leukocyte Biology</i> 59:18-23;
BCC	Simmons, Graham, et al., (1997) "Potent Inhibition of HIV-1 Infectivity in Macrophages and Lymphocytes by a Novel CCR5 Antagonist" <i>Science</i> 276:276-279;
BCC	Szabo, et al., (1992) "CD4 changes conformation upon ligand binding" <i>The Journal of Immunology</i> 149(11):3596-3604;
BCC	Trkola, Alexandra, et al., (1996) "CD4-dependent, antibody-sensitive interactions between HIV-1 and its co-receptor CCR-5" <i>Nature</i> 384:184-187;
BCC	Wells, Timothy, N.C., et al., (1996) "Selectivity and antagonism of chemokine receptors" <i>Journal of Leukocyte Biology</i> 59:53-60;
BCC	Wu, Lijun, et al., (1996) "CD4-induced interaction of primary HIV-1 gp120 glycoproteins with the chemokine receptor CCR-5," <i>Nature</i> 384:179-183;
BCC	Wu, Lijun, et al., (1997) "CCR5 Levels and Expression Pattern Correlate with Infectability by Macrophage-tropic HIV-1, In Vitro" <i>J. Exp. Med.</i> 185:1681-1691;
BCC	Zhang, Y.J., et al., (1994) "Structure/Activity Analysis of Human Monocyte Chemoattractant Protein-1 (MCP-1) by Mutagenesis," <i>The Journal of Biological Chemistry</i> 269:15918-15924;

EXAMINER

Bogdan L.

DATE CONSIDERED

09/05/2004

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[illegible]

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
51320-AB/JPW/SHSSerial No.
09/852,238


INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Applicants
Graham P. Allaway et al.Filing Date
May 9, 2001

Group

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number								Date	Country	Class	Subclass	Translation	
														Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BCC	Cammack, N., 1999, Human Immunodeficiency virus type 1 entry and chemokine receptors: a new therapeutic target, <i>Antiviral Chemistry and Chemotherapy</i> , 10:53-62;
BCC	Alkhatib et al., (1997), HIV-1 Coreceptor Activity of CCR5 And Its Inhibition By Chemokines: Independence from G Protein Signaling And Importance of Coreceptor down modulation, <i>Virology</i> 234:340-348;
BCC	Berger et al., (1999), Chemokine Receptors as HIV-1 coreceptors: Roles In Viral Entry, Tropism, and Disease, <i>Ann.Rev.Immunol.</i> 17:657-700;
130L	DeClerq, E., et al., (1992), Potent and Selective Inhibition of Human Immunodeficiency Virus (HIV)-1 and HIV-2 Replication By a Class of Bicyclams Interacting With A Virus Uncoating Event, <i>Proc.Natl.Acad.Sci.</i> 89:5286-5290;
BCC	Doranz et al., (1997), A Small Molecule Inhibitor Directed Against the Chemokine Receptor CXCR4 Prevents Its Use As An HIV-1 Coreceptor, <i>J.Exp.Med.</i> 186 (8):1395-1400;
130L	Levy, (1996), Controlling HIV Pathogenesis: The Role of the Noncytotoxic Anti-HIV Response Of CD8+ T Cells. <i>Immunology Today</i> 17:217-224;
130L	Oellerich, M., (1984), Enzyme-Immunoassay: A Review, <i>J. Clin. Chem .Clin.Biochem.</i> 22:(12):895-904;

EXAMINER

Beegeen L

DATE CONSIDERED

09/04/2001

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[illegible]

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

51320-AB/JPW/SHS

Serial No.

09/852,238

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Applicants

Graham P. Allaway et al.

Filing Date

May 9, 2001

Gr up

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
BCC	US 5 4 4 0 0 2 1	8/5/94	A. Chuntharapai, et al.			
	US 5 5 0 4 0 0 3	4/2/96	H. Li et al.			
	US 5 0 2 1 4 0 9	6/4/91	Murrer et al.			
	US 5 1 2 6 4 3 3	6/30/92	Maddon et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BCC	Alkhatib, Ghalb, et al., (1996) "CC CKR5: A RANTES, MIP-1 α , MIP-1 β Receptor as a Fusion Cofactor for Macrophage-Tropic HIV-1" <i>Science</i> 272:1955-1958;
BCC	Arenzana-Selsdedos, Fernando, et al., (1996) "HIV blocked by chemokine antagonist" <i>Nature</i> 383:400;
	Bleul, Conrad, C., et al., (1996) "The lymphocyte chemoattractant SDF-1 is a ligand for LESTR/fusion and blocks HIV-1 entry" <i>Nature</i> 382:829-832;
	Brenner, T.J., et al. (1991) "Relation between HIV-1 syncytium inhibition antibodies and clinical outcome in children" <i>The Lancet</i> 337:1001-1005;
	Choe, Hyeryun, et al., (1996) "The β -Chemokine Receptors CCR3 and CCR5 Facilitate Infection by Primary HIV-1 Isolates" <i>Cell</i> 85:1135-1148;
	Cocchi, Florenza, et al., (1995) "Identification Of RANTES, MIP-1 α , and MIP-1 β as the Major HIV-Suppressive Factors Produced by CD8 ⁺ T Cells" <i>Science</i> 270: 1811-1815;
	De Clercq, et al., (1994) "Highly potent and selective inhibition of human immunodeficiency virus by the bicyclam derivative JM3100" <i>Antimicrobial Agents and Chemotherapy</i> 38(4):668-674;
	De Clercq, E., (1995) "Antiviral therapy for human immunodeficiency virus infections" <i>Clinical Microbiology Reviews</i> 8(2):200-239;
	Doranz, et al., (1996) "A dual-tropic primary HIV-1 isolate that uses fusin and the β -chemokine receptors CKR-5, CKR-3, and CKR-2b as fusin cofactors" <i>Cell</i> 85:1149-1158;

EXAMINER

BCC

DATE CONSIDERED

6/10/01

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

Serial No.

51320-AA/JPW/SHS 09/852,238

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Applicants

Graham P. Allaway et al.

Filing Date

May 9, 2001

Group

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number							Date	Country	Class	Subclass	Translation	
													Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BCC	Dragic, T. et al., (1996) "HIV-1 entry into CD4+ cells is mediated by the chemokine receptor CC-CKR-5" <i>Nature</i> 381:667-673;
	Gong, Jiang-Hong, et al., (1995) "Antagonists Of Monocyte Chemoattractant Protein 1 Identified By Modification Of Functionally Critical NH ₂ -terminal Residues" <i>J. Exp. Med.</i> 181:631-640;
	Gong, Jiang-Hong, et al., (1996) "RANTES and MCP-3 Antagonists Bind Multiple Chemokine Receptors" <i>The Journal of Biological Chemistry</i> 371:10521-10527;
	Hattori, T., et al., (1989) "Involvement of tryptase-related cellular protease(s) in human immunodeficiency virus type 1 infection" <i>FEB</i> 248:48-52;
	Jones, Simon, A., et al., (1997) "Chemokine Antagonists That Discriminate between Interleukin-8 Receptors" <i>The Journal of Biological Chemistry</i> 272:16166-16169;
	Klotman, et al., (1995) "Transgenic models of HIV-1" <i>AIDS</i> 9(4)313-324;
	Litwin, et al., (1996) "Human immunodeficiency virus type 1 membrane fusin mediated by a laboratory-adapted strain and a primary isolate analyzed by resonance energy transfer" <i>Journal of Virology</i> 70(9):6437-6441;
	McKnight, Aine, et al., (1997) "Inhibition of Human Immunodeficiency Virus Fusion by a Monoclonal Antibody to a Coreceptor (CXCR4) Is both Cell Type and Virus Strain Dependent" <i>Journal of Virology</i> 71(2): 1692-1696;
✓	Moser, Bernhard, et al., (1993) "Interleukin-8 Antagonists Generated by N-terminal Modification" <i>The Journal of Biological Chemistry</i> 268:7125-7128;

EXAMINER

B. C. C.

DATE CONSIDERED

5/9/01

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

AUG 13

Sheet 3 of 3

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

Serial No.

51320-AA/JPW/SHS 09/852,238

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Applicants

Graham P. Allaway et al.

Filing Date

May 9, 2001

Group

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number							Date	Country	Class	Subclass	Translation	
													Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BU	Oberlin, Estelle, et al., (1996) "The CXC chemokine SDF-1 is the ligand for LESTR/fusion and prevents infection by T-cell-line-adapted HIV-1" <i>Nature</i> 382:833-835;
	Raport, Carol J., et al., (1996) "New members of the chemokine receptor gene family" <i>Journal of Leukocyte Biology</i> 59:18-23;
	Simmons, Graham, et al., (1997) "Potent Inhibition of HIV-1 Infectivity in Macrophages and Lymphocytes by a Novel CCR5 Antagonist" <i>Science</i> 276:276-279;
	Szabo, et al., (1992) "CD4 changes conformation upon ligand binding" <i>The Journal of Immunology</i> 149(11):3596-3604;
	Trkola, Alexandra, et al., (1996) "CD4-dependent, antibody-sensitive interactions between HIV-1 and its co-receptor CCR-5" <i>Nature</i> 384:184-187;
	Wells, Timothy, N.C., et al., (1996) "Selectivity and antagonism of chemokine receptors" <i>Journal of Leukocyte Biology</i> 59:53-60;
	Wu, Lijun, et al., (1996) "CD4-induced interaction of primary HIV-1 gp120 glycoproteins with the chemokine receptor CCR-5," <i>Nature</i> 384:179-183;
	Wu, Lijun, et al., (1997) "CCR5 Levels and Expression Pattern Correlate with Infectability by Macrophage-tropic HIV-1, In Vitro" <i>J. Exp. Med.</i> 185:1681-1691;
	Zhang, Y.J., et al., (1994) "Structure/Activity Analysis of Human Monocyte Chemoattractant Protein-1 (MCP-1) by Mutagenesis," <i>The Journal of Biological Chemistry</i> 269:15918-15924;

EXAMINER

Beaumont L.

DATE CONSIDERED

09/05/2001

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.